U	PTO/SB/05 (08-03) Approved for use through 07/31/2006. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.									
Attor			ey Docket No.	SON-1697/DIV						
			nventor							
PATENT APPLICATION			DIGITAL/ANALOG CONVERTER CIRCUIT, LEVEL							
TRANSMITTAL			SHIFT CIRCUIT, SHIFT REGISTER UTILIZING							
(Only for new nonprovisional applications under 37 CFR 1.53(b))  Exp			LEVEL SHIF	T CIRCUIT, ETC.						
			ss Mail Label No.							
Se	APPLICATION ELEMENTS see MPEP chapter 600 concerning utility patent application co.	ntents.	MS Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450							
1. 2. 3.	X Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)  Applicant claims small entity status. See 37 CFR 1.27.  X Specification [Total Pages 96]  (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure	<b>6</b> ]	8. Nucleotide a (if applicable a. Comput b. Specificati i. c. State:  ACC:  9. Assignment and Assignment and State:	M or CD-R in duplicate, large table or er Program (Appendix) Ind/or Amino Acid Sequence Submission e, all necessary) Indicate Readable Form (CRF) Ion Sequence Listing on:  CD-ROM or CD-R (2 copies); or ii.  Paper ments verifying identity of above copies  OMPANYING APPLICATION PARTS  Inent Papers (cover sheet & document(s))  3.73(b) Statement Power of Attorney	16834					
4.		31	, <u> </u>	Translation Document (if applicable)						
5.		2 ]		tion Disclosure Copies of IDS						

	<u> </u>		Statement (103)/F	10-1445	Citations					
a. Newly executed (original or copy)		13. X Preliminary Amendment								
b. X Copy from a prior application (37 CFR (for continuation/divisional with Box 18 complication)  i. DELETION OF INVENTOR(S) Signed statement attached deleting invenamed in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).  6. Application Data Sheet. See 37 CFR 1.76	pleted)	14. 15. 16. 17.	14. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized)  15. X Claim for Priority (if foreign priority is claimed)  16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.							
18. If a CONTINUING APPLICATION, check appropriate the continuing appropriate appropriate the continuing appropriate app	onate box, and supp	l ly the	requisite information bel	low and in th	ne first sentence of the					
specification following the title, or in an Application Data Sheet under 37 CFR 1.76:										
Continuation X Divisional C	ontinuation-in-part ((	•	of prior application No.:	09/466,969						
Prior application information: Examiner	Xiao Min W		Art Unit:		2674					
or CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied inder Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by eference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.										
	19. CORRESPO	NDE	NCE ADDRESS	· · · · · · · · · · · · · · · · · · ·						
X Customer Number:		OR Correspondence address below								
RADER, FISHMAN & G	RADER, FISHMAN & GRAUER PLLC									
Ronald P. Kananen										
1233 20th Street, N.W.					•					
Suite 501	Suite 501									
City Washington	State	DC		Zip Code	20036					
Country US	Telephone	(20	2) 955-3750	Fax	(202) 955-3751					
Name (Print/Type) Ronald P. Kananan			Registration No. (Attorney/Agent) 24,104							

Signature

121503

December 15, 2003

Date

	Complete if Know					own			
FEE TRANSMITTAL		Application Number				Not Yet Assigned (Divisional of U.S. Appl. No.: 09/466,969)			
for FY 2004		Filing Date			81	December 15, 2003			
							NAKAJIMA	· · · · · · · · · · · · · · · · · · ·	
Effective 10/01/2003, Patent fees are subject to annual revision.		First Named Inventor Yoshiharu NAKAJIN  Examiner Name Xiao Min Wu							
							vvu		
Applicant claims small entity status. See 37 CFR 1.27		Art Unit 2674					<u> </u>		
TOTAL AMOUNT OF PAYMENT (\$) 1,122.00		Attorney Docket No. SON-1697/DIV							
METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)							
Check Credit Money Order Other None	3. ADDITIONAL FEES								
X Deposit Account:	Larg	Large Entity Small Entity							
Deposit Account Number	Fee Code	Fee	Fee Code	Fee (\$)	-	Fee Desc	ription	Fee Paid	
Deposit Account Rader, Fishman & Grauer PLLC	1051	130	2051	65	_	e – late filing fe			
Name The Director is authorized to: (check all that apply)	1052	50	2052	25	Surcharge sheet.	e – late provisio	onal filing fee or cover		
X Charge fee(s) indicated below X Credit any overpayments	1053	130	1053	130	Non-Engli	ish specificatio	n		
Charge any additional fee(s) during the pendency of this	1812	2,520	1812	2.520	For filing a	request for exp	parte reexamination		
application Charge fee(s) indicated below, except for the filing fee	1804		1804	920*		ng publication o			
to the above-identified deposit account.	1805	1,840*	1805	1,840*	Requestir Examiner	ng publication o	of SIR after		
FEE CALCULATION	1251	110	2251	55		for reply within	n first month		
1. BASIC FILING FEE	1252	420	2252	210	Extension	for reply within	n second month		
Large Entity Small Entity	1253	950	2253	475	Extension	for reply within	third month		
Fee Fee Fee Fee Fee Fee Pescription Fee Paid Code (\$) Code (\$)	1254	1,480	2254	740	Extension	for reply within	n fourth month		
1001 770 2001 385 Utility filing fee 770.00	1255	2,010	2255	1,005	Extension	for reply within	n fifth month		
1002 340 2002 170 Design filing fee	1401	330	2401	165	Notice of	Appeal			
1003 530 2003 265 Plant filing fee	1402	330	2402	165	-	rief in support o			
1004 770 2004 385 Reissue filing fee	1403		2403	145	•	or oral hearing			
1005 160 2005 80 Provisional filing fee	1451 1452	1,510 110	1451 2452	1,510 55		o institute a pub o revive – unavo	olic use proceeding		
<b>SUBTOTAL (1)</b> (\$) 770.00	1452		2453	665		revive - uninte			
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,330	2501	665		ue fee (or reissu			
Extra Fee from	1502	·	2502	240	Design is:		•	• -	
Ctaims below Fee Paid  Total Claims 30 -20** = 10 x 18.00 = 180.00	1503	640	2503	320	Plant issu	ıe fee			
Independent 5 3** = 2 x 86.00 = 172.00	1460	130	1460	130	Petitions 1	to the Commiss	sioner		
Claims Unit State    Multiple Dependent    =	1807	50	1807	50	Processin	ng fee under 37	CFR 1.17(q)		
Large Entity   Small Entity	1806	180	1806	180	Submission	on of Informatio	on Disclosure Stmt		
Fee Fee Fee Fee Fee Pescription	8021	40	8021	40		g each patent a			
Code (\$) Code (\$)  1202 18 2202 9 Claims in excess of 20						times number of ubmission after			
1201 86 2201 43 Independent claims in excess of 3	1809	770	2809	385	(37 CFR	1.129(a))	-		
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385		additional inver I (37CFR 1.129			
1204 86 2204 43 ** Reissue independent claims	1801	770	2801	385	•		xamination (RCE)		
over original patent 1205 18 2205 9 ** Reissue claims in excess of 20	1802	900	1802	900		for expedited ex in application	xamination		
and over original patent	Other	fee (spe	cify)		G001H	,			
SUBTOTAL (2) (\$) 352.00		uced by E		iling Fee	Paid	SUBTO	TAL (3) (\$)	0.00	
**or number previously paid, if greater; For Reissues, see above									
SUBMITTED BY						(Complete	(if applicable))		
Name (Print/Type) Ronald P. Kananen		tration No ney/Agent		,104		Telephone	(202) 955-3750	)	
Signature "						Date	December 15,	2003	
							L		
					•				

AMEI	Docket No. SON-1697/DIV									
Application	n No.	Filing [	Date		Examiner		Art Unit			
Not Yet Assigned(I U.S. Appl. No.: 09		December 15, 2003 X			Xiao Min Wu		2674			
Applicant(s): Yos	Applicant(s): Yoshiharu NAKAJIMA et al.									
DIGITAL/ANALOG CONVERTER CIRCUIT, LEVEL SHIFT CIRCUIT, SHIFT REGISTER Invention: UTILIZING LEVEL SHIFT CIRCUIT SAMPLING LATCH CIRCUIT, LATCH CIRCUIT, AND LIQUID CRYSTAL DISPLAY DEVICE INCORPORATING THE SAME										
TO THE COMMISSIONER FOR PATENTS										
Transmitted here	with is an ame	ndment in the	above-identif	ied appl	ication.					
The fee has been	n calculated and	d is transmitted	d as shown b	elow.						
			S AS AMEN	DED						
	Claims Remaining After Amendment	Highest Number Previously Paid	Number Extra Claims Present		Rate					
Total Claims	30	- 20 =	10	x	18.00		180.00			
Independent Claims	5	- 3 =	2	×	86.00		172.00			
Multiple Depend	lent Claims (ch	eck if applicabl	e)							
Other fee (please specify): Basic filing fee - utility 770.00										
TOTAL ADDIT	IONAL FEE FO	OR THIS AME	NDMENT:				1,122.00			
x Large Entity					Small Entity					
No additiona	al fee is require	d for this amer	ndment.							
X Please charge A duplicate of	ge Deposit Acc			n the am	nount of \$ _	1,122	2.00 .			
A check in the	ne amount of \$		to cover	the filing	g fee is enc	losed.				
	credit card. Fo									
X The Director	r is hereby auth	norized to char	ge and credit	t Deposi		o. <u>18</u>	3-0013			
as described below. A duplicate copy of this sheet is enclosed.										
x Credit any overpayment.  x Charge any additional filing or application processing fees required under 37 CFR 1.16 and 1.17.										
Dated: December 15, 2003										
Attorney Reg. No.: 24,104										
RADER, FISHN		R PLLC								
1233 20th Stree Suite 501	et, in.vv.									
Washington, D( (202) 955-3750	)									
Customer No. 23353										